

Power Supply Models

AMX offers 7 variations of our Class I, CSA/CE approved, and UL listed system power supplies:

AMX PS/N POWER SUPPLIES		
PSN6.5	(FG423-41)	With US power cord
PS4.4	(FG423-44)	Includes US power cord and barrel plug
PSN4.4	(FG423-45)	Includes 2-pin captive-wire connector and US power cord (Discontinued, replaced by PSR4.4)
PSR4.4	(FG423-46)	Includes 2-pin retained captive-wire connector and US power cord
PS3.0	(FG423-30)	Includes US power cord and barrel plug
PSR2.5	(FG423-47)	Includes 3-pin retained captive-wire connector and US power cord
PSR5.4	(FG423-48)	Includes 2-pin retained captive-wire connector and US power cord

NOTE: All models use an input connector sanctioned by the IEC (International Electrotechnical Commission).

PSN6.5 Specifications

FIG. 1 shows the front and rear panels of the PSN6.5.



FIG. 1 PSN6.5 POWER SUPPLY

PSN6.5 SPECIFICATIONS	
Dimensions (HWD):	1 1/2" x 5 9/16" x 9 1/4" (3.81 cm x 14.10 cm x 23.50 cm)
Weight:	2.76 lbs. (1.25 kg) (without power cord)
Input:	~100-240 V, 2.6A MAX (1.3A MAX @ 230), 50/60 Hz
Output Voltage:	13.5 V $\overline{\text{---}}$
Output Current:	6.5 A (continuous power output is 90 W max)
Ripple and Noise:	350 mV peak-to-peak @ 70% load
Protection:	Over-voltage, over-current, short-circuit, transient and thermal switching regulated, overload protected
Power Indicator:	Green LED indicates presence of DC on the output.
Connectors:	Three removable 2-pin 3.5 mm mini-Phoenix connectors
Rear Panel Components:	<ul style="list-style-type: none"> • Three 12 V $\overline{\text{---}}$ power supply connectors • Standard IEC (male) jack for the power cord
Input Power Cord:	6-foot (1.83 m) IEC cord with a grounded Edison plug for AC input (US only)
Enclosure:	Metal with black matte finish
Temp Range:	32°F - 122°F (0°C - 50°C)
Certification:	<ul style="list-style-type: none"> • UL: US listed - Class I Power Supply • CSA approved • CE approved • PSE approved • CCC approved
Accessories:	<ul style="list-style-type: none"> • US power cord • 3 removable 2-pin 3.5 mm mini-Phoenix connectors • (Optional) AC-RK Accessory Rack Kit (FG515)

NOTE: The PSN6.5 replaces the (obsolete) PSN4.2 and PSN6.3 power supplies.

PS4.4, PSN4.4, and PSR4.4 Specifications

The PS4.4 power supply is identical to the PSN4.4 except that the PSN4.4 has a NetLinX-compatible 2-pin captive wire connector and the PS4.4 has a barrel-plug. The PSR4.4 comes with a NetLinX-compatible 2-pin retained captive wire connector.



Barrel-plug connector (FG423-44)



2-pin retained captive wire connector (FG423-46)

FIG. 2 PS4.4 POWER SUPPLIES (SHOWING DIFFERENCE IN CONNECTORS)

PS4.4, PSN4.4, AND PSR4.4 SPECIFICATIONS	
Dimensions:	4 5/8" x 2 1/4" x 1 1/2" (11.7 cm x 5.8 cm x 3.5 cm)
Weight:	1.1 lb. (499 g)
Input:	~100-240 V, 1.5A MAX (0.6A MAX @ 230), 50/60 Hz
Output Voltage:	13.5 V $\overline{\text{---}}$
Output Current:	4.5A MAX
Ripple and Noise:	150 mV peak-to-peak @ full load
Protection:	Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected.
Power Indicator:	Green LED indicates the presence of V $\overline{\text{---}}$ on the output.
Connectors:	<ul style="list-style-type: none"> • PS 4.4 - Barrel plug (see <i>Barrel Plug Dimensions</i>) • PSR4.4 - 2-pin retained captive wire connector (3.5 mm) • PSN4.4 (discontinued)- Mini 2-pin captive wire connector (3.5 mm)
Input Power Cord:	6-foot (1.83 m) IEC cord with a grounded Edison plug for AC input (US only)
Enclosure:	Molded black matte plastic
Temp Range:	32°F - 104°F (0°C - 40°C)
Certification:	<ul style="list-style-type: none"> • UL: US listed - Class I Power Supply • CSA approved • CE approved • PSE approved
Included Accessories:	US power cord
PS4.4 Plug Dimensions:	<ul style="list-style-type: none"> • 2.1mm ID • 5.5mm OD • 9.5mm length

PS3.0 Specifications

FIG. 3 shows the PS3.0. The PS3.0 is a Class I power supply which is CE approved and UL listed. The PS3.0 uses a barrel-plug connector.



FIG. 3 PS3.0 POWER SUPPLY

PS 3.0 SPECIFICATIONS	
Dimensions (HWD):	3 7/8" x 1 3/4" x 1 1/4" (9.8 cm x 4.5 cm x 3.05 cm)
Weight:	5.6 oz (150 g) (without power cord)
Input:	~100-240 V, 3A MAX, 50/60 Hz
Output Voltage:	12 V $\overline{\text{---}}$
Output Current:	3.0 A
Ripple and Noise:	200 mV (60Hz Ripple + Switching ripple and noise)
Protection:	Over-voltage, over-current, short-circuit, transient and thermal switching regulated, overload protected
Power Indicator:	Green LED indicates presence of DC on the output.
Connectors:	1.3mm barrel plug, 11 mm long
Input Power Cord:	6-foot (1.83 m) IEC power cord terminated with a grounded Edison plug for AC input (US only).
Enclosure:	Molded black matte plastic
Temp Range:	<ul style="list-style-type: none"> Operating temperature: 32°F - 122°F (0°C - 50°C) Storage temperature: -4°F - 185°F (-20°C - 85°C)
Certification:	<ul style="list-style-type: none"> UL: US listed - Class I Power Supply CUL approved TUV approved FCC approved CE approved PSE approved
Included Accessories:	US power cord

PSR2.5 Specifications

FIG. 4 displays the PSR2.5.



FIG. 4 PSR2.5 POWER SUPPLY

PSR2.5 SPECIFICATIONS	
Dimensions (HWD):	4 3/4" x 2 3/8" x 1 1/4" (12 cm x 6 cm x 3.05 cm)
Weight:	1.1 lb. (499 g)
Input:	~100-240 V, 1.5A MAX, 47/63 Hz
Output Voltage:	24 V $\overline{\text{---}}$

PSR2.5 SPECIFICATIONS (CONT.)

Output Current:	2.5 A
Ripple and Noise:	300 mV peak-to-peak @ full load
Protection:	Over-voltage, over-current, short-circuit, over temperature, overload protected
Power Indicator:	Green LED indicates presence of DC on the output.
Connectors:	3-pin retained captive wire connector (3.5mm)
Input Power Cord:	4-foot (1.2 m) IEC power cord terminated with a grounded Edison plug for AC input (US only).
Enclosure:	Molded black matte plastic
Temp Range:	<ul style="list-style-type: none"> Operating temperature: 32°F - 104°F (0°C - 40°C) Storage temperature: -4°F - 176°F (-20°C - 80°C)
Certifications:	<ul style="list-style-type: none"> UL: US listed - Class I Power Supply CUL approved TUV-GS approved FCC approved CE approved PSE approved CCC approved BSMI approved RCM approved
Included Accessories:	US power cord

PSR5.4 Specifications

FIG. 5 displays the PSR5.4.



FIG. 5 PSR5.4 POWER SUPPLY

PSR5.4 SPECIFICATIONS	
Dimensions (HWD):	4 1/2" x 2" x 1 1/4" (11.5 cm x 5.15 cm x 3.05 cm)
Weight:	0.48 lb (221 g)
Input:	100-240 +10% VAC, 47-63 Hz
Input Current:	<ul style="list-style-type: none"> <2A MAX at 100 VAC + full load <1A MAX at 230 VAC + full load
Output Voltage:	12 V $\overline{\text{---}}$
Output Current:	5.4A MAX
Ripple and Noise:	200 mV peak-to-peak @ full load
Protection:	Over-voltage, over-current, short-circuit, transient and thermal. Switching regulated, overload protected
Power Indicator:	Green LED indicates the presence of DC on the output
Connectors:	Mini 2-pin captive wire connector (3.5 mm)
Input Power Cord:	50 mm IEC power cord terminated with a grounded Edison plug for AC input
Enclosure:	Molded black matte plastic
Environmental:	<ul style="list-style-type: none"> Operating temperature: 32°F to 104°F (0°C to 40°C) Storage temperature: -4°F - 176°F (-20°C - 80°C)
Certifications:	<ul style="list-style-type: none"> UL: US listed - Class I Power Supply, CSA approved, CE approved AS/NZS 60950-1 - Australia, New Zealand BSMI - Taiwan CCC - China CU - Russia UL Energy Verified KC - Korea TUV GS - Germany
Included Accessories:	US power cord



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